

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Confirmation No. 4552
Birger ORTEN : Docket No. 2001_0201A
Serial No. 09/788,607 : Group Art Unit 2834
Filed August 2, 2001 : Examiner T. M. Dougherty

TWO-WAY MECHANO-ELECTRIC
TRANSDUCER

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents,
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of [X] the references listed on attached form PTO-1449 and/or [] the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No.

1a. [] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. [X] This Information Disclosure Statement is submitted

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after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) the certification of paragraph 2 below is provided, **or**
- (2) the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

- a. that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a. a full or partial English language translation submitted herewith,

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|--|---|--|
| Applicant's or agent's file reference 103964AF | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/NO 01/00064 | International filing date (day/month/year) 21 February 2001 | (Earliest) Priority Date (day/month/year) 23 June 2000 |
| Applicant MEDITRON AS et al | | |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (See Box II).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 1.

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NO 01/00064

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61B 7/04, H04R 1/46, G01H 11/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61B, G01H, H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | US 4727279 A (YUCHI P. PENG), 23 February 1988 (23.02.88), figure 2 | 1-12 |
| A | EP 0118329 A2 (THOMSON-CSF), 12 Sept 1984 (12.09.84), figure 3 | 1-12 |
| A | GB 2166022 A (SAWAFUJI DYNAMIC KABUSHIKI KAISHA ET AL), 23 April 1986 (23.04.86), figure 7 | 1-12 |
| A | JP 7143765 A (SEIKO INSTR INC) 1995-06-02 (abstract). [online] [retrieved on 2001-07-19]. Retrieved from: EPO EPODOC Database | 1-12 |

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

25-07-2001

20 July 2001

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

LARS JAKOBSSON/EE

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT
Information on patent family members

02/07/01

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|-------------------------------|
| International application No. |
| PCT/NO 01/00064 |

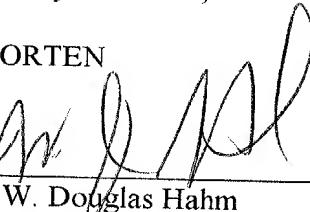
| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|--|------------------|-------------------------|------------------|
| US 4727279 A | 23/02/88 | NONE | |
| EP 0118329 A2 | 12/09/84 | AU 2380084 A | 02/08/84 |
| | | CA 1231169 A | 05/01/88 |
| | | DE 3464107 D | 00/00/00 |
| | | FR 2540325 A | 03/08/84 |
| | | JP 59143496 A | 17/08/84 |
| | | US 4547870 A | 15/10/85 |
| GB 2166022 A | 23/04/86 | DE 3531325 A | 07/05/86 |
| | | FR 2569931 A | 07/03/86 |
| | | FR 2574609 A | 13/06/86 |
| | | FR 2574610 A | 13/06/86 |
| | | GB 8521410 D | 00/00/00 |
| | | JP 61192199 A | 26/08/86 |
| | | US 4654554 A | 31/03/87 |
| | | JP 1668181 C | 29/05/92 |
| | | JP 3032959 B | 15/05/91 |
| | | JP 62014599 A | 23/01/87 |
| | | JP 1668182 C | 29/05/92 |
| | | JP 3032960 B | 15/05/91 |
| | | JP 62014600 A | 23/01/87 |
| | | JP 1668175 C | 29/05/92 |
| | | JP 3032958 B | 15/05/91 |
| | | JP 61065600 A | 04/04/86 |
| | | JP 1732663 C | 17/02/93 |
| | | JP 4022400 B | 16/04/92 |
| | | JP 61150500 A | 09/07/86 |

- b. a foreign patent office search report (in the English language) submitted herewith,
- c. the concise explanation contained in the specification of the present application at page,
- d. the concise explanation set forth in the attached English language abstract,
- e. the concise explanation set forth below or on a separate sheet attached to the reference:

5. A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Birger ORTEN

By 

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February 7, 2003

Sheet 1 of 1

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: February 7, 2003

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PATTY DOCKET NO.
2001_0201ASERIAL NO.
09/788,607APPLICANT
Birger ORTENFILING DATE
August 2, 2001GROUP
2834

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|----|-----------------|--------|------|-------|----------|----------------------------|
| | AA | 4,727,279 | 2/1988 | Peng | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|--|----|-----------------|--------|---------|-------|----------|-----------------------|
| | AJ | 0 118 329 A2 | 9/1984 | EP | | | No |
| | AK | 2166022 A | 4/1986 | GB | | | |
| | AL | 7-143765 | 6/1995 | JP | | | No |
| | AM | | | | | | |
| | AN | | | | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AO | |
| | AP | |
| | AQ | |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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